| - | nde | • | | | |
|---|-----|---|------|------|--|
| | | | | | |

| Applica | tion/ | Control | No. |
|---------|-------|---------|-----|
|---------|-------|---------|-----|

10/626,291

Examiner

HALL ET AL.

Applicant(s)/Patent under Reexamination

Art Unit

Brandi N. Thomas

2873

| √ | Rejected |
|----------|----------|
| 11 | Allowed |

| (Through | numeral) |
|----------|----------|
| Canc | elled |

Restricted

| Ν | Non-Elected |
|---|-------------|
| | |

Interference

| , | Δ | Appeal |
|---|---|----------|
| (| С | Objected |

| Cla | Date | | | | | | | | | | | | |
|----------|--|----------|----------|----------|----------|---|---|----------|----------|----------|--|--|--|
| | | /05 | | | | | | | | | | | |
| Final | Original | 12/1/05 | | | | | | | | | | | |
| | 1 | ÷ | _ | _ | | | | | | Н | | | |
| | 1 2 3 4 5 6 7 | Ť | | | | | | | | \neg | | | |
| | 3 | Π | | | | | | | | | | | |
| | 4 | П | | | | | | | | | | | |
| | 5 | П | | | | | | | | | | | |
| | 6 | П | | | | | | | | | | | |
| | 7 | Π | | | | | | | | | | | |
| | 8 | П | | | | | | | - | | | | |
| | 9 | П | | | | | | | | | | | |
| | 10 | П | | | | | | | | | | | |
| | 11 | П | | | | | | | | | | | |
| | 12 | П | | | | | | | | | | | |
| | 10 11 12 13 14 15 16 17 18 | П | | | | | | Ī | | | | | |
| | 14 | П | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | |
| | 16 | π | | | | | | | | | | | |
| | 17 | П | | | | | | | | | | | |
| | 18 | \sqcap | | | | Г | | | | | | | |
| | 19 | 1 | | | | | | | | | | | |
| | 20 | ب | | | | | | | | | | | |
| - | 21 | Ė | | | | | | | | | | | |
| | 22 | | | | | | | \vdash | | | | | |
| | 20 21 22 23 | | | | | Г | | | | | | | |
| | 24 | | | | | | | | | | | | |
| | 24 25 26 27 28 | | | | | | | | Г | | | | |
| | 26 | \Box | | | | | Г | \Box | | | | | |
| | 27 | | | | | Π | | | | | | | |
| | 28 | | | | | | | | | | | | |
| | 29 30 | Г | | | | | | | | | | | |
| | 30 | | | | | | П | | | | | | |
| | 31 | | | | | | | | | | | | |
| | 32 | | | | Г | | | | | | | | |
| | 32 33 | | | | | | | | | | | | |
| | 34 | | | | Г | | | | | | | | |
| | 34 35 | | | | | Γ | | | | \Box | | | |
| | 36 | | | | Г | | | | | | | | |
| | 37 | | | | | | | | | | | | |
| | 37 38 | | Г | Г | Г | Г | | | \Box | П | | | |
| | 39 | | | | | | | | | | | | |
| | 40 | | | | Г | Г | | _ | | П | | | |
| | 41 | | | | Г | | | | | | | | |
| | 42 | | | | | | | | | | | | |
| | 43 | Π | Г | Γ | Г | | Г | | Г | П | | | |
| | 44 | Π | | | | | | Г | Г | П | | | |
| | 45 | | Г | | | | | \Box | \Box | Щ | | | |
| | 46 | | Г | | | | Г | | T | П | | | |
| | 47 | <u> </u> | Г | | | | | | | \sqcap | | | |
| | 48 | <u> </u> | \vdash | | Т | | Г | \vdash | <u> </u> | М | | | |
| | 49 | T | | \vdash | ┢ | | T | \vdash | Г | М | | | |
| | 50 | \vdash | \vdash | T | <u> </u> | - | Т | \vdash | \vdash | Н | | | |

| Cla | aim | | | | [| Date | 2 | | | |
|----------|----------|--|----------|--|----------|-------------|---------------|----------|--|--|
| | _ | | | | | | | | | |
| ۱ ـ | E | | | | | | | | | |
| 22 | ᇤ | | | | | | | | | |
| Final | Original | | | | | | | | | |
| | 0 | | | | | | | | | |
| | | | | | _ | _ | - | | - | - |
| | 51 | | | | | | | | | L |
| | 52 | | | | | | | | | |
| | 53 | - | _ | | _ | | | т | | _ |
| | 33 | \vdash | | - | | | | _ | \vdash | - |
| L | 54 | | | | | | | | | _ |
| | 55 | | | | | | | | | |
| — | 56 | | | | - | | | - | | - |
| - | | \vdash | | \vdash | | | <u> </u> | _ | _ | _ |
| | 57 | | | | | | | | | |
| | 58 | | | | | | | | | |
| \vdash | 59 | _ | | | | _ | $\overline{}$ | _ | \vdash | - |
| ├ | | - | | \vdash | | _ | _ | | | _ |
| | 60 | | | | | | | | | |
| | 61 | | | | | | | | | |
| | 62 | - | | \vdash | | | | _ | _ | \vdash |
| | | ╙ | | | | | | _ | _ | _ |
| Ш. | 63_ | | | L | | | L. | | | L |
| | 64 | | | | | | | | | |
| \vdash | | - | \vdash | - | \vdash | \vdash | <u> </u> | \vdash | | \vdash |
| <u> </u> | 65 | <u> </u> | _ | <u> </u> | _ | \vdash | _ | <u> </u> | | ⊢ |
| | 66 | | | | | L | L | L | L | L |
| | 67 | | | | | | | | | |
| | | Н | | | \vdash | - | - | | | ⊢ |
| | 68 | | | L_ | | | | | | L |
| | 69 | | | | | | | | | |
| | 70 | _ | | | | | | \vdash | | Т |
| | | ├ | | ⊢ | - | | | ├ | ⊢ | ┝╌ |
| | 71 | | | L | | | L | | <u> </u> | L |
| | 72 | 1 | | | | | | | | |
| | 73 | T | | | | | | \vdash | - | \vdash |
| | 73 | ├ | _ | ⊢ | | <u> </u> | <u> </u> | | - | |
| | 74 | | | | L. | | | <u> </u> | L_ | L |
| | 75 | | | 1 | | | | | 1 | |
| | 76 | \vdash | | \vdash | | - | $\overline{}$ | | | |
| - | 70 | | | ├— | ├- | Ь— | ⊢ | ⊢ | ⊢ | ├ |
| | 77 | _ | | L | L | | L | ļ | <u> </u> | L. |
| | 78 | | | l | | | | | 1 | |
| | 79 | | | \vdash | | | | \vdash | | Т |
| | | <u> </u> | | ├ | | <u> </u> | - | | ⊢ | ⊢ |
| L | 80 | L | | L_ | | L | | | L | ot |
| | 81 | | | | | | | | | |
| \vdash | 82 | \vdash | Н | | \vdash | <u> </u> | | \vdash | <u> </u> | |
| | 02 | <u> </u> | | \vdash | <u> </u> | <u> </u> | <u> </u> | ├ | | ⊢ |
| | 83 | L_ | | L_ | | L. | <u> </u> | L | L | L |
| | 84 | | | | | | | | | |
| — | 05 | <u> </u> | H | \vdash | \vdash | \vdash | \vdash | \vdash | | ┢═ |
| | 85 | <u> </u> | | ऻ— | <u> </u> | <u> </u> | \vdash | \vdash | ├ | ├— |
| L | 86 | L_ | L | L_ | L_ | L | L | L. | L_ | L |
| | 87 | Γ | | | | | | | | |
| \vdash | 88 | | Н | | \vdash | | \vdash | \vdash | ┢ | Ι |
| <u></u> | | - | \vdash | <u> </u> | <u> </u> | <u> </u> | <u> </u> | \vdash | ├ | ⊢ |
| | 89 | L. | | L | L | L | | L | L | L |
| | 90 | | | | | | | | Γ | Γ |
| \vdash | | \vdash | - | | \vdash | \vdash | | \vdash | | \vdash |
| <u> </u> | 91 | Ь. | <u> </u> | Ш. | \vdash | L | <u> </u> | <u> </u> | <u> </u> | ⊢- |
| | 92 | L | L | L | L | L | L. | L | L_{-} | L |
| | 93 | | | | | | | | | Г |
| | | \vdash | \vdash | \vdash | \vdash | \vdash | ├─ | | \vdash | \vdash |
| <u></u> | 94 | <u> </u> | Ш | <u> </u> | | _ | <u> </u> | ╙ | | ! |
| | 95 | l | | l | | | | | l | 1 |
| | 96 | | | $\overline{}$ | | | | Г | 1 | Г |
| \vdash | | \vdash | H | - | \vdash | ├ | ├- | \vdash | \vdash | ⊢ |
| <u></u> | 97 | L_ | | <u></u> | | | <u> </u> | | <u> </u> | _ |
| 1 | 98 | 1 | | | " | | | | | |
| | 99 | \vdash | \vdash | | \vdash | \vdash | $\overline{}$ | | | Ι- |
| | 100 | | \vdash | | ├- | \vdash | \vdash | - | \vdash | \vdash |
| | 1 4 AA | | | | | | | | | |

| Claim | T | | | | (| Date | = | | | | Cla | im | | | | _D | ate | | | | | Cla | aim] | | | | Date | • | | _ | |
|----------------|----------------|------------------|--------------|--|--|----------|-----------------|----------|-----------------|----------|--|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------------|-----------|--|----------|----------|----------|----------|-----------|
| Original | | 12/1/05 | | | | | | | | | Final | Original | | | | | | | | | | Final | Original | | | | | | | | |
| 1 | | ٠, | | _ | - | \vdash | | - | \dashv | \dashv | | 51 | \dashv | \dashv | + | + | + | 4 | + | + | 4 | - | 101 | + | - | - | \vdash | \dashv | \dashv | \dashv | _ |
| 2 | | | | <u> </u> | \vdash | Н | | | \dashv | \dashv | \vdash | 52 | -+ | \dashv | \dashv | \dashv | + | + | + | 十 | | | 102 | \dashv | + | ╁┈ | H | \dashv | \dashv | \dashv | \neg |
| 3 | | + | | \vdash | - | \vdash | - | \dashv | \dashv | \dashv | | 53 | - | -+ | \dashv | -+ | + | \dashv | + | + | - | | 103 | + | +- | ┢ | Н | | + | \dashv | 一 |
| 4 | | H | Н | \vdash | - | \vdash | - | \dashv | \dashv | \dashv | \vdash | 54 | \vdash | -+ | \dashv | \dashv | \dashv | \dashv | \dashv | + | | | 104 | + | \top | t^- | Н | | \dashv | \dashv | _ |
| 5 | | Н | | \vdash | - | \vdash | - | | \dashv | _ | | 55 | | \dashv | + | \dashv | \dashv | + | \dashv | _ | - | | 105 | _ | + | | Н | | \dashv | _ | \neg |
| 6 | | Н | | | \vdash | Н | - | | \dashv | _ | \vdash | 56 | \vdash | \dashv | + | + | - | \dashv | + | + | _ | | 106 | | \dagger | ╁ | H | | \dashv | _ | \dashv |
| 7 | ┰ | H | | ┝ | \vdash | Н | Н | | \dashv | - | \vdash | 57 | \vdash | \dashv | \dashv | \dashv | + | \dashv | ╅ | \dashv | ┪. | | 107 | + | 1 | ╁ | Н | \dashv | | \dashv | 一 |
| 8 | ┪ | ┪ | _ | | | Н | \vdash | | \dashv | _ | | 58 | - | \dashv | \dashv | \dashv | \dashv | ╅ | | \top | _ | | 108 | | + | | Н | | | \dashv | ᅥ |
| 9 | | + | \vdash | \vdash | - | \vdash | | _ | -+ | - | _ | 59 | | \dashv | \dashv | -+ | \dashv | \dashv | + | + | _ | | 109 | \top | + | | Н | | 1 | \dashv | _ |
| 10 | | + | | \vdash | - | Н | | - | \dashv | _ | \vdash | 60 | \dashv | \dashv | \dashv | + | \dashv | ╅ | | + | 1 | | 110 | \top | +- | ╁ | \vdash | | 7 | \dashv | ┪ |
| 11 | _ | ┨ | | \vdash | - | | | \dashv | - | _ | | 61 | | \dashv | \dashv | + | \dashv | \dashv | + | \top | ┥. | | 111 | \top | +- | _ | Н | | 1 | \dashv | ᅥ |
| 12 | | + | | \vdash | | Н | | \dashv | \vdash | | | 62 | | \dashv | \dashv | + | + | \dashv | + | + | ┪. | | 112 | \top | +- | | П | | | \dashv | _ |
| 13 | | T | | - | \vdash | \vdash | \vdash | - | \dashv | | \vdash | 63 | \dashv | \dashv | \dashv | \dashv | \dashv | + | \dashv | $^{-}$ | ┪. | | 113 | + | + | \vdash | Н | \vdash | + | \dashv | \dashv |
| 14 | | + | - | | | Н | \vdash | - | - | \dashv | $\vdash \vdash$ | 64 | \dashv | + | \dashv | + | \dashv | 十 | + | + | 7 | | 114 | + | \top | t | \vdash | \dashv | | \dashv | \dashv |
| 15 | | | | ┢─ | \vdash | Н | $\vdash \vdash$ | | | \dashv | \vdash | 65 | \dashv | + | + | + | \dashv | + | 十 | + | \dashv | | 115 | + | + | \vdash | Н | | \dashv | \dashv | \dashv |
| 16 | | \boldsymbol{t} | - | - | - | H | H | \dashv | | - | | 66 | - | \dashv | - | \dashv | \dashv | + | ╅ | + | ╡ | | 116 | \top | + | H | | | 寸 | 7 | \neg |
| 17 | | ۲ | - | | \vdash | Н | $\vdash \vdash$ | \dashv | - | \dashv | | 67 | \vdash | \dashv | \dashv | \dashv | 十 | \dashv | + | + | \dashv | | 117 | + | + | \vdash | Н | \vdash | \dashv | | - |
| 18 | | ╁ | | \vdash | | \vdash | \vdash | \dashv | | \dashv | | 68 | \vdash | \dashv | -+ | ╅ | + | \dashv | + | + | - | | 118 | _ | + | \vdash | \vdash | | \dashv | 7 | \dashv |
| 19 | | ۲ | H | - | - | Н | Н | \dashv | | \dashv | | 69 | \vdash | -+ | + | + | + | ╁ | + | + | 1 | | 119 | \top | + | ╁ | - | | \dashv | 1 | |
| 20 | ` | <u>.</u> | _ | | ┢┈ | Н | Н | \dashv | | ᅱ | | 70 | \vdash | \dashv | + | + | + | + | \dashv | + | - | | 120 | \dashv | +- | | | | 寸 | 寸 | |
| 21 | + | • | | | - | Н | Н | _ | -+ | \dashv | | 71 | \vdash | \dashv | \dashv | _ | | $^+$ | \dashv | + | - | - | 121 | | +- | t | \vdash | | _ | ╗ | |
| 22 | | | | | \vdash | Н | Н | \dashv | -+ | ⊣ | - | 72 | - | \dashv | + | + | \dashv | + | + | + | \dashv | | 122 | | + | \vdash | | | \dashv | | |
| 23 | | | | | \vdash | - | \vdash | | - | \dashv | | 73 | \vdash | \dashv | \dashv | \dashv | \dashv | \dashv | + | + | ┪ | | 123 | | + | | | | \dashv | \dashv | |
| 24 | | - | _ | | ⊢ | \vdash | Н | | | \dashv | | 74 | | \dashv | \dashv | | \dashv | \dashv | + | ╅ | \dashv | \vdash | 124 | + | + | \vdash | \vdash | | \dashv | 1 | |
| 25 | : | | | - | \vdash | Н | Н | \dashv | -+ | - | | 75 | | \dashv | | + | + | - | \dashv | + | \dashv | <u> </u> | 125 | _ | ┿ | | | | \dashv | T | |
| 26 | | | _ | - | \vdash | Н | Н | \dashv | | ┥ | | 76 | - | \dashv | \dashv | _ | \dashv | 十 | + | + | ┪ | \vdash | 126 | | + | \vdash | | _ | 一 | 寸 | |
| 27 | \dot{H} | _ | | | | \vdash | \vdash | - | -t | \dashv | - | 77 | | 十 | \dashv | _ | \top | \dashv | \top | + | ┪ | | 127 | _ | + | t | | | _ | T | |
| 28 | | | | | | | H | | | | | 78 | | \dashv | | _ | \dashv | - | + | 十 | ┥ | | 128 | | T | T | | П | \neg | 一 | П |
| 29 | | | | - | | H | Н | \dashv | \dashv | - | | 79 | - | \dashv | + | + | | + | \dashv | + | ┪ | | 129 | 1 | +- | \vdash | | | \dashv | 寸 | |
| 30 | , | _ | _ | | \vdash | - | Н | \dashv | + | ┥. | | 80 | - + | \dashv | _ | + | ╅ | \dashv | -+ | \top | ┪ | | 130 | 1 | + | ╁╴ | | | \neg | 寸 | \neg |
| 31 | | _ | _ | | \vdash | - | \vdash | | -+ | \dashv | | 81 | \vdash | \dashv | _ | \dashv | \dashv | \dashv | \dashv | + | ┪ | \vdash | 131 | | + | | | _ | \neg | 寸 | |
| 32 | | | _ | | | \vdash | Н | | -t | \dashv | - | 82 | | \dashv | \dashv | + | + | \top | \top | \dashv | ٦. | | 132 | | + | H | | | _ | T | |
| 33 | | | \vdash | | \vdash | H | H | \vdash | | \dashv | | 83 | - | + | \dashv | \dashv | \dashv | \dashv | 十 | + | \dashv | | 133 | \dashv | \top | | | М | \dashv | 寸 | |
| 34 | | | \vdash | | \vdash | | Н | \vdash | \dashv | \dashv | | 84 | $\vdash \vdash$ | \dashv | \dashv | \dashv | \dashv | \dashv | \dashv | + | ┪ | | 134 | -+ | T | \vdash | | М | \dashv | 寸 | _ |
| 35 | ; | | \vdash | | \vdash | Н | \vdash | \vdash | \vdash | \dashv | | 85 | $\vdash \vdash$ | + | \dashv | + | \dashv | \dashv | \dashv | + | ┪ | — | 135 | _ | + | t | | H | \dashv | \dashv | \exists |
| 36 | | | | \vdash | \vdash | H | Н | \vdash | \dashv | \dashv | | 86 | $\vdash \vdash$ | - | 十 | + | \dashv | \dashv | 十 | | \dashv | | 136 | | \top | 1 | \vdash | М | \dashv | \dashv | _ |
| 37 | | _ | \vdash | | Ι- | H | Н | - | - | \dashv | \vdash | 87 | \dashv | + | \dashv | + | \dashv | + | 十 | + | \dashv | | 137 | | \top | | \vdash | П | 1 | \dashv | ٦ |
| 38 | | _ | \vdash | \vdash | \vdash | Н | \vdash | \dashv | \vdash | \dashv | \vdash | 88 | $\vdash \vdash$ | + | + | + | + | \dashv | 十 | \dashv | \dashv | | 138 | + | + | T | | H | \dashv | 一 | |
| 39 | | | <u> </u> | | - | H | Н | \vdash | \dashv | \dashv | \vdash | 89 | \vdash | \dashv | \dashv | + | \dashv | \dashv | + | + | \dashv | | 139 | | + | \vdash | | Н | - | \dashv | |
| 40 | | - | \vdash | | \vdash | Н | $\vdash \vdash$ | - | + | \dashv | \vdash | 90 | $\vdash \vdash$ | \dashv | \dashv | \dashv | \dashv | \dashv | 十 | + | \dashv | | 140 | \dashv | T | Т | | | \neg | 一 | \neg |
| 41 | | | - | _ | \vdash | \vdash | H | - | + | \dashv | \vdash | 91 | \forall | 十 | \dashv | \dashv | \dashv | + | _ | + | \dashv | | 141 | | \top | | | H | _ | 一 | _ |
| 42 | | | H | 1 | \vdash | H | Н | | | | | 92 | $\vdash \vdash$ | -+ | \dashv | \dashv | \dashv | \dashv | \dashv | + | ٦ | | 142 | - | \top | T | П | Н | \dashv | 寸 | |
| 43 | 7 | _ | \vdash | | \vdash | H | H | \dashv | \dashv | \dashv | \vdash | 93 | \dashv | \dashv | \dashv | + | \dashv | \dashv | \dashv | + | ┪ | | 143 | $\neg \dagger$ | + | T | П | Н | 十 | | \exists |
| 4/ | . | _ | | | \vdash | Н | \vdash | \dashv | \vdash | \dashv | \vdash | 94 | \dashv | \dashv | \dashv | + | \dashv | 十 | + | + | ┪ | | 144 | \dashv | \top | | ÌТ | Н | \dashv | | \neg |
| 45 | ∷ | - | \vdash | \vdash | | | Н | \dashv | -+ | \dashv | | 95 | $\vdash \vdash$ | \dashv | \dashv | 十 | \dashv | \dashv | \dashv | + | \dashv | | 145 | | +- | t | \vdash | \vdash | \dashv | 1 | _ |
| 46 | \exists | | \vdash | \vdash | - | \vdash | \vdash | | - | \dashv | \vdash | 96 | \dashv | \dashv | \dashv | + | \dashv | \dashv | \dashv | + | \dashv | | 146 | - | + | \vdash | Т | Н | -+ | \dashv | \dashv |
| 47 | + | | \vdash | - | | H | \vdash | \vdash | \vdash | \dashv | \vdash | 97 | \forall | \dashv | \dashv | \dashv | -+ | + | \dashv | + | - | | 147 | \dashv | + | \vdash | 1 | \vdash | \dashv | _ | - |
| 48 | | - | \vdash | - | \vdash | \vdash | \vdash | \vdash | \vdash | \dashv | H- | 98 | $\vdash \vdash$ | -+ | \dashv | \dashv | \dashv | \dashv | \dashv | + | \dashv | | 148 | \dashv | + | + | H | H | H | - | - |
| 49 | \exists | _ | \vdash | \vdash | - | \vdash | \vdash | \vdash | \vdash | ᅱ | \vdash | 99 | $\vdash \vdash$ | \dashv | \dashv | + | \dashv | \dashv | + | ┰ | \dashv | | 149 | \dashv | + | t | \vdash | \vdash | \dashv | \dashv | - |
| 50 | | - | \vdash | \vdash | | H | Н | \vdash | $\vdash \vdash$ | \dashv | | 100 | \vdash | \dashv | + | \dashv | \dashv | \dashv | + | + | \dashv | | 150 | + | + | + | \vdash | H | \dashv | - | ۲ |
| 1 20 | _1 | | Щ. | L_ | | ᆫ | لــــا | ليبا | L_L | | | 100 | ᄔ | | ᆚ | | | | | | | | 130 | L | | <u> </u> | | ш | | | |